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PATENT

Docket No. 275.00030103

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED**  
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Applicant(s): Li et al. )  
Serial No.: 10/772,661 )  
Confirmation No.: 5608 )  
Filed: February 5, 2004 )  
For: COMPOSITION AND METHOD FOR IN VIVO AND IN VITRO  
ATTENUATION OF GENE EXPRESSION USING DOUBLE STRANDED  
RNA )

Group Art Unit: 1645  
Examiner: Unassigned

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May 7, 2004  
Date

Signature: Sara E. Olson

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PATENT  
Docket No. 275.00030103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Li et al.	)	Group Art Unit:	1645
		)		
Serial No.:	10/772,661	)	Examiner:	Unassigned
Confirmation No.:	5608	)		
		)		
Filed:	February 5, 2004	)		
		)		
For:	COMPOSITION AND METHOD FOR IN VIVO AND IN VITRO ATTENUATION OF GENE EXPRESSION USING DOUBLE STRANDED RNA			

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted. Pursuant to the provisions of M.P.E.P. § 609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

**Information Disclosure Statement**

Page 2 of 2

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Serial No.: 10/772,661

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For: COMPOSITION AND METHOD FOR IN VIVO AND IN VITRO ATTENUATION OF GENE  
EXPRESSION USING DOUBLE STRANDED RNA

This application is a continuation of U.S. Patent Application Serial No. 10/038,984, filed January 4, 2002, which is a continuation of U.S. Patent Application Serial No. 09/493,301, filed January 28, 2000 (Abandoned). In accordance with 37 C.F.R. §1.98(d), copies of documents previously cited by or submitted to the U.S. Patent and Trademark Office in connection with Applicants' prior application(s) listed above, are not included herewith.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper is being transmitted by facsimile in accordance with 37 CFR §1.6(d) to the Patent and Trademark Office, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 7<sup>th</sup> day of May, 2004, at 2:50 (Central Time).

Sara E. Olson  
Name: Sara E. Olson

Respectfully submitted for  
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	Applicant(s): Li et al.	Confirmation No.: 5608
	Application Filing Date: February 5, 2004	Group: 1645
	Information Disclosure Statement mailed: May 7, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		4,897,355	01/30/90	Eppstein et al.			
		5,107,065	04/21/92	Shewmaker et al.			
		5,264,618	11/23/93	Felgner et al.			
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		5,283,185	02/01/94	Epand et al.			
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		5,583,021	12/10/96	Dougherty et al.			
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		6,127,170	10/03/00	Boutin			
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		US 2002/0173478 A1	11/21/02	Gerwitz et al.			
		US 2002/0162126 A1	10/31/02	Beach et al.			
		US 2003/0056235 A1	03/20/03	Fire et al.			

<b>EXAMINER</b>	<b>Date Considered</b>
<small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

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		US 2003/0051263 A1	03/13/03	Fire et al.			
		US 2003/0084471 A1	05/01/03	Beach et al.			
		US 2003/0180756 A1	09/25/03	Shi et al.			
		US 2003/0157030 A1	08/21/03	Davis et al.			
		US 2003/0228691 A1	12/11/03	Lewis et al.			
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		US 2004/0018999 A1	01/29/04	Beach et al.			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		AU 199919380	07/12/99	Australia				
		AU 199929163	10/18/99	Australia				
		DE 101 00586	04/11/02	Germany (incl. English Abstract)				
		EP 0242016	10/21/87	Europe				
		WO 96/20951	07/11/96	PCT				
		WO 97/35965	10/02/97	PCT				
		WO 97/48793	12/24/97	PCT				
		WO 98/05770	02/12/98	PCT				
		WO 98/36083	08/20/98	PCT				
		WO 99/32619	07/01/99	PCT				
		WO 99/38537	08/05/99	PCT				
		WO 99/61631	12/02/99	PCT				
		WO 99/61636	12/02/99	PCT				

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		WO 99/49029	09/30/99	PCT				
		WO 99/53050	10/21/99	PCT				
		WO 99/32619	07/01/99	PCT				
		WO 00/01846	01/13/00	PCT				
		WO 00/44895	08/03/00	PCT (incl. English Abstract)				
		WO 00/44914	08/03/00	PCT				
		WO 00/49035	08/24/00	PCT				
		WO 00/63364	10/26/00	PCT				
		WO 01/29058	04/26/01	PCT				
		WO 01/36646	05/25/01	PCT				
		WO 01/75164	10/11/01	PCT				
		WO 01/68836	09/20/01	PCT				
		WO 01/88121	11/21/01	PCT				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Copy Enclosed	Document Description
		Alvarado et al., "Double-stranded RNA specifically disrupts gene expression during planarian regeneration," <i>Proc. Natl. Acad. Sci. USA</i> , 1999; 96:5049-5054.
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Examiner Initial	Copy Enclosed	Document Description
		Misquitta et al., "Targeted disruption of gene function in <i>Drosophila</i> by RNA interference (RNA-i): A role for <i>nautilus</i> in embryonic somatic muscle formation," <i>Proc. Natl Acad. Sci. USA</i> , February 1999;96: 1451-1456.
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	<b>Applicant(s):</b> Li et al.	<b>Confirmation No.:</b> 5608
	<b>Application Filing Date:</b> February 5, 2004	<b>Group:</b> 1645
	<b>Information Disclosure Statement mailed:</b> May 7, 2004	

Examiner Initial	Copy Enclosed	Document Description
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		Pachuk et al., "Characterization of a new class of DNA delivery complexes formed by the local anesthetic bupivacaine," <i>Biochim. Biophys. Acta</i> , 2000;1468: 20-30.
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		Van Blokland et al., "Transgene-mediated suppression of chalcone synthase expression in <i>Petunia hybrida</i> results from an increase in RNA turnover," <i>The Plant Journal</i> , 1994;6: 861-877.
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